

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|------------------|
| L1 | 12996 | (insulat\$3 or dielectric or hafnium or hf or zirconium or zr) and (substrate or wafer) and (irradiat\$3).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 11:45 |
| L2 | 3088 | 1 and (irradiat\$3) with (insulat\$3 or dielectric or hafnium or hf or zirconium or zr) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 11:32 |
| L3 | 16 | 2 and (irradiat\$3) with (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 11:46 |
| L4 | 61165 | (insulat\$3 or dielectric or hafnium or hf or zirconium or zr) and (substrate or wafer) and (irradiat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:05 |
| L5 | 50 | 4 and (irradiat\$3) with (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 11:46 |
| L6 | 39 | 4 and (irradiat\$3) near15 (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:06 |
| L7 | 18128 | ((high near3 dielectric) or (hafnium or hf) or (zirconium or zr)) and (substrate or wafer) and (irradiat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:06 |
| L8 | 39 | 7 and (irradiat\$3) near15 (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:06 |
| L9 | 81 | 7 and (irradiat\$3) near15 (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:07 |

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| L10 | 81 | 7 and ((irradiat\$3) near15 (high near3 dielectric)) with (insulat\$3 or dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:07 |
| L11 | 13 | 7 and ((irradiat\$3) near15 (high near3 dielectric)) with (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:10 |
| L12 | 13 | 7 and ((irradiat\$3) near15 (high near3 dielectric)) same (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:10 |
| L13 | 37 | 7 and ((irradiat\$3) near15 (high near3 dielectric)) and (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:20 |
| L14 | 129 | 7 and ((irradiat\$3) near15 (hafnium or hf)) and (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:20 |
| L15 | 22 | 7 and ((irradiat\$3) near15 (hafnium or hf)) with (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:22 |
| L16 | 33 | 7 and ((irradiat\$3) near15 (hafnium or hf)) same (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:23 |
| L17 | 6 | 7 and ((irradiat\$3) near15 (zirconium or zr)) same (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:28 |
| L18 | 47 | 7 and ((irradiat\$3) near15 (zirconium or zr)) and (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:35 |
| L19 | 39272 | (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:35 |

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| L20 | 1302502 | (irradiat\$3 or radiat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:36 |
| L21 | 8031 | 19 and 20 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:36 |
| L22 | 583 | 21 and (irradia\$3 or radiat\$3) with (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:37 |
| L23 | 422 | 21 and (irradia\$3 or radiat\$3) near10 (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:37 |
| L24 | 61 | 23 and (method with semiconductor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:47 |
| L25 | 507 | (light) near10 (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:47 |
| L26 | 140 | 25 and (radiat\$3 or radiat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:47 |
| L27 | 64 | 26 and (irradiat\$3 or radiat\$3) near5 (light) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:48 |
| L28 | 11 | 26 and (irradiat\$3 or radiat\$3) near5 (light) with (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:50 |
| L29 | 14 | 26 and (irradiat\$3 or radiat\$3) near5 (light) same (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:50 |

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| L30 | 64 | 26 and (irradiat\$3 or radiat\$3) near5 (light) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:56 |
| L31 | 270128 | (irradiat\$3 or radiat\$3) near3 (light) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:56 |
| L32 | 19 | ((irradiat\$3 or radiat\$3) near3 (light)) near15 (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:57 |
| L33 | 1476 | ((irradiat\$3 or radiat\$3) near3 (light)) and (high near dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 12:58 |
| L34 | 199 | 33 and (radiat\$3 or irradiat\$3) with (crystal\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:08 |
| L35 | 2050 | (laser or beam or light) near15 (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:09 |
| L36 | 393 | 35 and (irradiat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:10 |
| L37 | 306 | 36 and (substrate or wafer) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:22 |
| L38 | 234 | 36 and (substrate or wafer) with (insulat\$3 or dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:22 |
| L39 | 234 | 38 and (laser or beam or light) with (high near3 dielectric) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:23 |

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| L40 | 24 | 38 and (laser or beam or light) with (high near3 dielectric) with (insulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/18 13:24 |
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